

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A catalyst for purifying exhaust gases, comprising a catalytic component including copper, ZSM-5, and β zeolite; wherein the ZSM-5 has a $\text{SiO}_2/\text{Al}_2\text{O}_3$ molar ratio of (20 - 100)/1 and an average crystal diameter observed under an electron microscope in a range not exceeding 0.5 μm , the β zeolite has a $\text{SiO}_2/\text{Al}_2\text{O}_3$ molar ratio of (10 - 50)/1, and the weight ratio of the ZSM-5 and the β zeolite is in the range of 1 : 0.1 - 1 : 5.

2-3. (Cancelled)

4. (Previously presented) A catalyst according to claim 1, wherein the copper is deposited on both of the ZSM-5 and the β zeolite.

5. (Currently amended) A catalyst according to claim 1, wherein, on a refractory three-dimensional structure, the zeolite is deposited in the range of 70 - 300 g and the copper is deposited in the state of oxide in the range of 3 - 30 g ~~on a refractory three-dimensional structure~~, per liter ~~thereof~~ of the refractory three-dimensional structure.

6. (Previously presented) A catalyst according to claim 1 further comprising at least one element selected from the group consisting of phosphorus, cerium, and boron.

7. (Currently amended) A process for purifying an exhaust gas, which comprises treating an exhaust gas from a diesel engine ~~by the use of~~ with a catalyst set forth in claim 1.

8. (Cancelled)

9. (Currently amended) A catalyst according to claim [[2]] 1, wherein the copper is deposited on both of the ZSM-5 and the β zeolite.

10. (Currently amended) A catalyst according to claim [[3]] 1, wherein the copper is deposited on both of the ZSM-5 and the β zeolite.

11. (Currently amended) A catalyst according to claim [[2]] 1, wherein, on a refractory three-dimensional structure, the zeolite is deposited in the range of 70 - 300 g and the copper is deposited in the state of oxide in the range of 3 - 30 g ~~on a refractory three-dimensional structure~~, per liter ~~thereof~~ of the refractory three-dimensional structure.

12. (Currently amended) A catalyst according to claim [[3]] 1, wherein, on a refractory three-dimensional structure, the zeolite is deposited in the range of 70 - 300 g and the copper is deposited in the state of oxide in the range of 3 - 30 g ~~on a refractory three-dimensional structure~~, per liter ~~thereof~~ of the refractory three-dimensional structure.

13. (Currently amended) A catalyst according to claim 4, wherein, on a refractory three-dimensional structure, the zeolite is deposited in the range of 70 - 300 g and the copper is deposited in the state of oxide in the range of 3 - 30 g ~~on a refractory three-dimensional structure~~, per liter ~~thereof~~ of the refractory three-dimensional structure.

14. (Currently amended) A catalyst according to claim [[2]] 1 further comprising at least one element selected from the group consisting of phosphorus, cerium, and boron.

15. (Currently amended) A catalyst according to claim [[3]] 1 further comprising at least one element selected from the group consisting of phosphorus, cerium, and boron.

16. (Previously presented) A catalyst according to claim 4 further comprising at least one element selected from the group consisting of phosphorus, cerium, and boron.

17. (Previously presented) A catalyst according to claim 5 further comprising at least one element selected from the group consisting of phosphorus, cerium, and boron.

18. (Currently amended) A process for purifying an exhaust gas, which comprises treating an exhaust gas from a diesel engine ~~by the use of~~ with a catalyst set forth in claim [[2]] 1.

19. (Currently amended) A process for purifying an exhaust gas, which comprises treating an exhaust gas from a diesel engine ~~by the use of~~ with a catalyst set forth in claim [[3]] 1.

20. (Currently amended) A process for purifying an exhaust gas, which comprises treating an exhaust gas from a diesel engine ~~by the use of~~ with a catalyst set forth in claim 4.

21. (Currently amended) A process for purifying an exhaust gas, which comprises treating an exhaust gas from a diesel engine ~~by the use of~~ with a catalyst set forth in claim 5.

Applicant(s) : Takeshi Matsumoto et al.
Serial No. : 10/535,331
Filed : May 18, 2005
Page : 5 of 8

Attorney Docket No.: 66501-013US1

22. (Currently amended) A process for purifying an exhaust gas, which comprises treating an exhaust gas from a diesel engine ~~by the use of~~ with a catalyst set forth in claim 6.